

## RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.

Application Serial Number:

10/593,810

Source:

IFWP

Date Processed by STIC:

9/29/06

# ***ENTERED***





IFWP

## RAW SEQUENCE LISTING

DATE: 09/29/2006

PATENT APPLICATION: US/10/593,810

TIME: 10:55:44

Input Set : A:\X16397 National.ST25.txt

Output Set: N:\CRF4\09292006\J593810.raw

3 <110> APPLICANT: Han, Bomie  
 4 Kristine , Kikly Kay  
 5 Smith , Rosamund Carol  
 6 Tobias, Linda O.  
 8 <120> TITLE OF INVENTION: Anti-Myostatin Antibodies  
 10 <130> FILE REFERENCE: X-16397  
 C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/593,810  
 C--> 13 <141> CURRENT FILING DATE: 2006-09-21  
 15 <150> PRIOR APPLICATION NUMBER: US60/559,621  
 16 <151> PRIOR FILING DATE: 2004-04-05  
 18 <150> PRIOR APPLICATION NUMBER: US60/555,456  
 19 <151> PRIOR FILING DATE: 2004-03-24  
 21 <160> NUMBER OF SEQ ID NOS: 56  
 23 <170> SOFTWARE: PatentIn version 3.3  
 25 <210> SEQ ID NO: 1  
 26 <211> LENGTH: 375  
 27 <212> TYPE: PRT  
 28 <213> ORGANISM: Homo sapiens  
 30 <400> SEQUENCE: 1  
 32 Met Gln Lys Leu Gln Leu Cys Val Tyr Ile Tyr Leu Phe Met Leu Ile  
 33 1 5 10 15  
 36 Val Ala Gly Pro Val Asp Leu Asn Glu Asn Ser Glu Gln Lys Glu Asn  
 37 20 25 30  
 40 Val Glu Lys Glu Gly Leu Cys Asn Ala Cys Thr Trp Arg Gln Asn Thr  
 41 35 40 45  
 44 Lys Ser Ser Arg Ile Glu Ala Ile Lys Ile Gln Ile Leu Ser Lys Leu  
 45 50 55 60  
 48 Arg Leu Glu Thr Ala Pro Asn Ile Ser Lys Asp Val Ile Arg Gln Leu  
 49 65 70 75 80  
 52 Leu Pro Lys Ala Pro Pro Leu Arg Glu Leu Ile Asp Gln Tyr Asp Val  
 53 85 90 95  
 56 Gln Arg Asp Asp Ser Ser Asp Gly Ser Leu Glu Asp Asp Asp Tyr His  
 57 100 105 110  
 60 Ala Thr Thr Glu Thr Ile Ile Thr Met Pro Thr Glu Ser Asp Phe Leu  
 61 115 120 125  
 64 Met Gln Val Asp Gly Lys Pro Lys Cys Cys Phe Phe Lys Phe Ser Ser  
 65 130 135 140  
 68 Lys Ile Gln Tyr Asn Lys Val Val Lys Ala Gln Leu Trp Ile Tyr Leu  
 69 145 150 155 160  
 72 Arg Pro Val Glu Thr Pro Thr Thr Val Phe Val Gln Ile Leu Arg Leu  
 73 165 170 175  
 76 Ile Lys Pro Met Lys Asp Gly Thr Arg Tyr Thr Gly Ile Arg Ser Leu  
 77 180 185 190

(pg. 6)



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80 Lys Leu Asp Met Asn Pro Gly Thr Gly Ile Trp Gln Ser Ile Asp Val
81      195      200      205
84 Lys Thr Val Leu Gln Asn Trp Leu Lys Gln Pro Glu Ser Asn Leu Gly
85      210      215      220
88 Ile Glu Ile Lys Ala Leu Asp Glu Asn Gly His Asp Leu Ala Val Thr
89 225      230      235      240
92 Phe Pro Gly Pro Gly Glu Asp Gly Leu Asn Pro Phe Leu Glu Val Lys
93      245      250      255
96 Val Thr Asp Thr Pro Lys Arg Ser Arg Arg Asp Phe Gly Leu Asp Cys
97      260      265      270
100 Asp Glu His Ser Thr Glu Ser Arg Cys Cys Arg Tyr Pro Leu Thr Val
101      275      280      285
104 Asp Phe Glu Ala Phe Gly Trp Asp Trp Ile Ile Ala Pro Lys Arg Tyr
105      290      295      300
108 Lys Ala Asn Tyr Cys Ser Gly Glu Cys Glu Phe Val Phe Leu Gln Lys
109 305      310      315      320
112 Tyr Pro His Thr His Leu Val His Gln Ala Asn Pro Arg Gly Ser Ala
113      325      330      335
116 Gly Pro Cys Cys Thr Pro Thr Lys Met Ser Pro Ile Asn Met Leu Tyr
117      340      345      350
120 Phe Asn Gly Lys Glu Gln Ile Ile Tyr Gly Lys Ile Pro Ala Met Val
121      355      360      365
124 Val Asp Arg Cys Gly Cys Ser
125      370      375
128 <210> SEQ ID NO: 2
129 <211> LENGTH: 109
130 <212> TYPE: PRT
131 <213> ORGANISM: Homo sapiens
133 <400> SEQUENCE: 2
135 Asp Phe Gly Leu Asp Cys Asp Glu His Ser Thr Glu Ser Arg Cys Cys
136 1      5      10      15
139 Arg Tyr Pro Leu Thr Val Asp Phe Glu Ala Phe Gly Trp Asp Trp Ile
140      20      25      30
143 Ile Ala Pro Lys Arg Tyr Lys Ala Asn Tyr Cys Ser Gly Glu Cys Glu
144      35      40      45
147 Phe Val Phe Leu Gln Lys Tyr Pro His Thr His Leu Val His Gln Ala
148      50      55      60
151 Asn Pro Arg Gly Ser Ala Gly Pro Cys Cys Thr Pro Thr Lys Met Ser
152 65      70      75      80
155 Pro Ile Asn Met Leu Tyr Phe Asn Gly Lys Glu Gln Ile Ile Tyr Gly
156      85      90      95
159 Lys Ile Pro Ala Met Val Val Asp Arg Cys Gly Cys Ser
160      100      105
163 <210> SEQ ID NO: 3
164 <211> LENGTH: 109
165 <212> TYPE: PRT
166 <213> ORGANISM: Mus sp.
168 <400> SEQUENCE: 3
170 Gln Ile Val Leu Thr Gln Ser Pro Ala Ile Met Ser Ala Ser Pro Gly

```



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171 1          5          10          15
174 Glu Lys Val Thr Met Thr Cys Ser Ala Ser Ser Ser Ile Ser Tyr Met
175          20          25          30
178 His Trp Tyr Gln Gln Lys Pro Gly Thr Ser Pro Lys Arg Trp Ile Tyr
179          35          40          45
182 Asp Thr Ser Lys Leu Ala Ser Gly Val Pro Ala Arg Phe Ser Gly Ser
183          50          55          60
186 Gly Ser Gly Thr Ser Tyr Ser Leu Thr Ile Ser Ser Met Glu Ala Glu
187 65          70          75          80
190 Asp Ala Ala Thr Tyr Tyr Cys Gln Gln Trp Tyr Ser Asn Pro Leu Thr
191          85          90          95
194 Phe Gly Ala Gly Thr Lys Leu Glu Leu Lys Arg Ala Asp
195          100          105
198 <210> SEQ ID NO: 4
199 <211> LENGTH: 109
200 <212> TYPE: PRT
201 <213> ORGANISM: Mus sp.
203 <400> SEQUENCE: 4
205 Gln Val Val Leu Thr Gln Ser Pro Ala Ile Met Ser Ala Ser Leu Gly
206 1          5          10          15
209 Glu Lys Val Thr Met Thr Cys Ser Ala Ser Ser Ser Val His Tyr Met
210          20          25          30
213 His Trp Tyr Gln Gln Lys Ser Gly Thr Ser Pro Lys Arg Trp Ile Tyr
214          35          40          45
217 Asp Thr Ser Lys Leu Ala Ser Gly Val Pro Ala Arg Phe Ser Gly Ser
218          50          55          60
221 Gly Ser Gly Thr Ser Tyr Ser Leu Thr Ile Ser Ser Met Glu Ala Glu
222 65          70          75          80
225 Asp Ala Ala Thr Tyr Tyr Cys Gln Gln Trp Ser Ser Asn Pro Leu Thr
226          85          90          95
229 Phe Gly Ala Gly Thr Lys Leu Glu Leu Lys Arg Ala Asp
230          100          105
233 <210> SEQ ID NO: 5
234 <211> LENGTH: 109
235 <212> TYPE: PRT
236 <213> ORGANISM: Mus sp.
238 <400> SEQUENCE: 5
240 Gln Ile Val Leu Thr Gln Ser Pro Ala Ile Met Ser Ala Ser Pro Gly
241 1          5          10          15
244 Glu Lys Val Thr Met Thr Cys Ser Ala Ser Ser Ser Val Ser Tyr Met
245          20          25          30
248 His Trp Tyr Gln Gln Lys Ser Gly Thr Ser Pro Lys Arg Trp Ile Tyr
249          35          40          45
252 Asp Thr Ser Lys Leu Ala Ser Gly Val Pro Ala Arg Phe Ser Gly Ser
253          50          55          60
256 Gly Ser Gly Thr Ser Tyr Ser Leu Thr Ile Ser Ser Met Glu Ala Glu
257 65          70          75          80
260 Asp Ala Ala Thr Tyr Tyr Cys Gln Gln Trp Ser Ser Asn Pro Leu Thr
261          85          90          95

```



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264 Phe Gly Ala Gly Thr Lys Leu Glu Leu Lys Arg Ala Asp
265           100           105
268 <210> SEQ ID NO: 6
269 <211> LENGTH: 109
270 <212> TYPE: PRT
271 <213> ORGANISM: Mus sp.
273 <400> SEQUENCE: 6
275 Gln Ile Val Leu Thr Gln Ser Pro Ala Ile Met Ser Ala Ser Pro Gly
276 1           5           10           15
279 Glu Lys Val Thr Met Thr Cys Ser Ala Ser Ser Ser Val Ser Tyr Met
280           20           25           30
283 His Trp Tyr Gln Gln Lys Ser Gly Thr Ser Pro Lys Arg Trp Ile Tyr
284           35           40           45
287 Asp Thr Ser Lys Leu Ala Ser Gly Val Pro Val Arg Phe Ser Gly Ser
288           50           55           60
291 Gly Ser Gly Thr Ser Tyr Ser Leu Thr Ile Ser Ser Met Glu Ala Glu
292 65           70           75           80
295 Asp Ala Ala Thr Tyr Cys Gln Gln Trp Ser Arg Asn Pro Leu Thr
296           85           90           95
299 Phe Gly Ala Gly Thr Lys Leu Glu Leu Lys Arg Ala Asp
300           100           105
303 <210> SEQ ID NO: 7
304 <211> LENGTH: 109
305 <212> TYPE: PRT
306 <213> ORGANISM: Mus sp.
308 <400> SEQUENCE: 7
310 Gln Val Val Leu Thr Gln Ser Pro Ala Ile Met Ser Ala Ser Pro Gly
311 1           5           10           15
314 Glu Lys Val Thr Met Thr Cys Ser Ala Ser Ser Ser Ile Ser Tyr Met
315           20           25           30
318 His Trp Tyr Gln Gln Lys Pro Gly Thr Ser Pro Lys Arg Trp Ile Tyr
319           35           40           45
322 Asp Thr Ser Lys Leu Ala Ser Gly Val Pro Ala Arg Phe Ser Gly Ser
323           50           55           60
326 Gly Ser Gly Thr Ser Tyr Ser Leu Thr Ile Ser Ser Met Glu Ala Glu
327 65           70           75           80
330 Asp Ala Ala Thr Tyr Cys Gln Gln Trp Tyr Ser Asn Pro Leu Thr
331           85           90           95
334 Phe Gly Ala Gly Thr Lys Leu Glu Leu Lys Arg Ala Asp
335           100           105
338 <210> SEQ ID NO: 8
339 <211> LENGTH: 109
340 <212> TYPE: PRT
341 <213> ORGANISM: Mus sp.
343 <400> SEQUENCE: 8
345 Gln Ile Val Leu Thr Gln Ser Pro Ala Ile Met Ser Ala Ser Pro Gly
346 1           5           10           15
349 Glu Lys Val Thr Met Thr Cys Ser Ala Ser Ser Ser Ile Ser Tyr Met
350           20           25           30

```



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Input Set : A:\X16397 National.ST25.txt

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```

353 His Trp Tyr Gln Gln Lys Pro Gly Thr Ser Pro Lys Arg Trp Ile Tyr
354      35      40      45
357 Asp Thr Ser Lys Leu Ala Ser Gly Val Pro Ala Arg Phe Ser Gly Ser
358      50      55      60
361 Gly Ser Gly Thr Ser Tyr Ser Leu Thr Ile Ser Ser Met Glu Ala Glu
362 65      70      75      80
365 Asp Ala Ala Thr Tyr Tyr Cys Gln Gln Trp Asn Ser Asn Pro Leu Thr
366      85      90      95
369 Phe Gly Ala Gly Thr Lys Leu Glu Leu Lys Arg Ala Asp
370      100      105
373 <210> SEQ ID NO: 9
374 <211> LENGTH: 109
375 <212> TYPE: PRT
376 <213> ORGANISM: Mus sp.
378 <400> SEQUENCE: 9
380 Gln Val Val Leu Thr Gln Ser Pro Ala Ile Met Ser Ala Ser Pro Gly
381 1      5      10      15
384 Glu Lys Val Thr Met Thr Cys Ser Ala Ser Ser Ser Val Tyr Tyr Met
385      20      25      30
388 His Trp Tyr Gln Gln Arg Ser Gly Ala Ser Pro Lys Arg Trp Ile Tyr
389      35      40      45
392 Asp Thr Ser Lys Leu Ala Ser Gly Val Pro Ala Arg Phe Ser Gly Ser
393      50      55      60
396 Gly Ser Gly Thr Ser Tyr Ser Leu Thr Ile Ser Ser Met Glu Ala Glu
397 65      70      75      80
400 Asp Ala Ala Thr Tyr Tyr Cys Gln Gln Trp Thr Tyr Asn Pro Leu Thr
401      85      90      95
404 Phe Gly Ala Gly Thr Lys Leu Glu Leu Lys Arg Ala Asp
405      100      105
408 <210> SEQ ID NO: 10
409 <211> LENGTH: 109
410 <212> TYPE: PRT
411 <213> ORGANISM: Mus sp.
413 <400> SEQUENCE: 10
415 Gln Ile Val Leu Thr Gln Ser Pro Ala Ile Met Ser Ala Ser Pro Gly
416 1      5      10      15
419 Glu Lys Val Thr Met Thr Cys Ser Ala Ser Ser Ser Val Ser Tyr Met
420      20      25      30
423 His Trp Tyr Gln Gln Lys Pro Gly Thr Ser Pro Lys Arg Trp Ile Tyr
424      35      40      45
427 Asp Thr Ser Lys Leu Ala Ser Gly Val Pro Ala Arg Phe Ser Gly Ser
428      50      55      60
431 Gly Ser Gly Thr Ser Tyr Ser Leu Thr Ile Ser Ser Met Glu Ala Glu
432 65      70      75      80
435 Asp Ala Ala Thr Tyr Tyr Cys Gln Gln Trp Tyr Ser Asn Pro Leu Thr
436      85      90      95
439 Phe Gly Ala Gly Thr Lys Leu Glu Leu Lys Arg Ala Asp
440      100      105
443 <210> SEQ ID NO: 11

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RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/593,810

DATE: 09/29/2006  
TIME: 10:55:45

Input Set : A:\X16397 National.ST25.txt  
Output Set: N:\CRF4\09292006\J593810.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:38; Xaa Pos. 6,7  
Seq#:39; Xaa Pos. 1,2,11,46,49,50,52,62,89,91,100  
Seq#:41; Xaa Pos. 8,15,16  
Seq#:42; Xaa Pos. 2,7  
Seq#:55; Xaa Pos. 5,6,7,9,10  
Seq#:56; Xaa Pos. 4,5



## VERIFICATION SUMMARY

DATE: 09/29/2006

PATENT APPLICATION: US/10/593,810

TIME: 10:55:45

Input Set : A:\X16397 National.ST25.txt

Output Set: N:\CRF4\09292006\J593810.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:950 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:0  
L:1017 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:0  
M:341 Repeated in SeqNo=39  
L:1103 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:0  
L:1125 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:0  
L:1320 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:0  
L:1342 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:56 after pos.:0